

UNIPOLE CONNECTORS



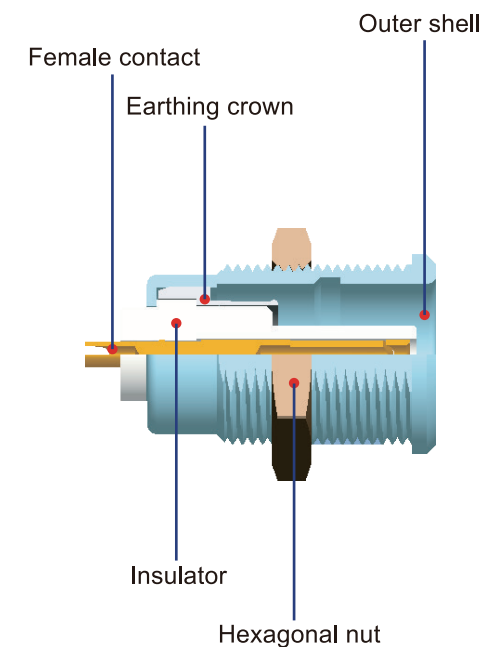
MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Solder or PCB contacts (straight or elbow)
3. High Packing density for space saving
4. Impedance 50Ω or 75Ω
5. 360° screening for full EMC shielding

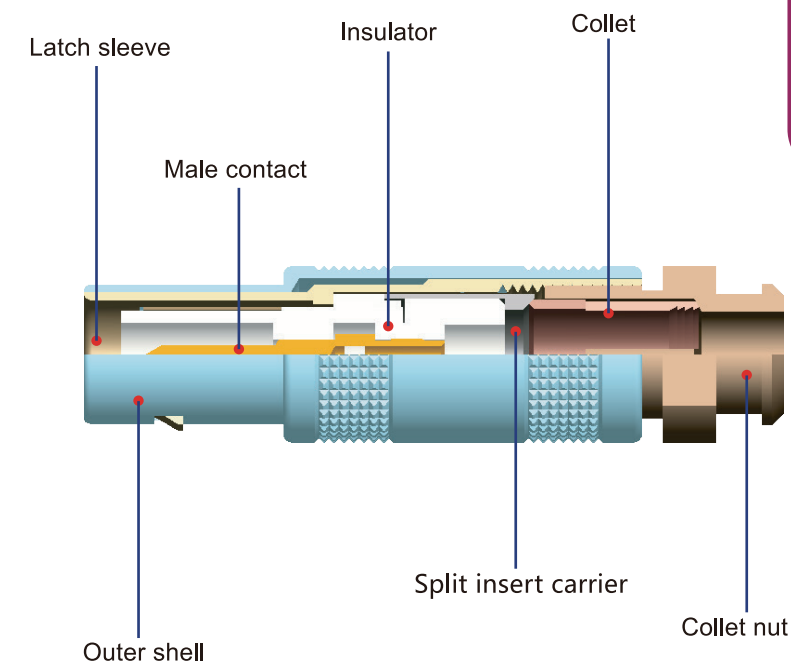
PART SECTION SHOWING INTERNAL COMPONENTS

Unipole series

Fixed socket



Straight plug



Part Numbering System

Plug

Free socket

Fixed socket

1S

T1

250

C

T

A

60

5

2

0

1S

Z4

250

C

T

L

50

5

2

0

1S

Z1

250

C

T

L

00

0

0

0

1.Series:(Page 68)

2.Housing model:(Page 68)

3.Insert configuration:(Page 76)

4.Housing material
C=Chrome plated brass
K=Black Chrome plated brass
N=Nickel plated brass
T=Stainless steel
L=Aluminium alloy anodized

5.Insulator material
T=PTFE

6.Contact type
A=Solder male L=Solder female

7.Cable OD:(Page 83)

8. Outshell pattern
2=Diamond Pattern
3=CirclePattern 4=Knurl Pattern

9.Collet Nut Type
1=Cone(without bend relief)
2=Collet nut for bend relief
3=Flat(without bend relief) 7=Crimp collet nut

10.Earthing Tag
0=Without Earthing Tag 1=With Earthing Tag

PART NUMBER EXAMPLE:

Straight plug with cable collet:

1ST1250CTA60520=1S series straight plug, 50Ω impedance, cable collet, chrome plated brass outer shell, PTFE insulator, solder contacts, collet for 6.0mm diameter cable, knurl outer shell pattern, collet nut for bend relief, without earthing tag.

Free socket:

1SZ4250CTL50520=1S series free socket, 50Ω impedance, cable collet, chrome plated brass outer shell, PTFE insulator, solder contact, collet for 5.0mm diameter cable, knurl outer shell pattern, collet nut for bend relief, without earthing tag.

Fixed socket:

1SZ1250CTL00000=1S series coaxial fixed socket,50Ω impedance,nut fixing,chrome plated brass outer shell,PTFE insulator,solder contacts, without earthing tag.

TECHNICAL CHARACTERISTICS

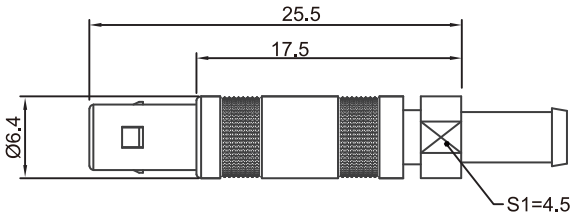
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +250°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

Characteristics	Parameter
Salt spray corrosion test	96hr
Shock resistance	100g,6ms
Endurance	5000 cycles
Protection index(mated)	IP50

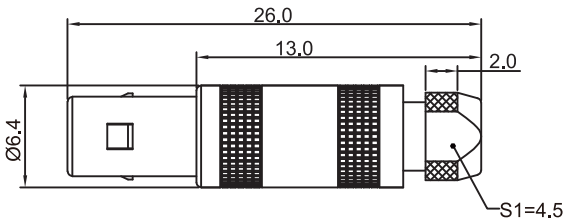
Housing Models

00S series

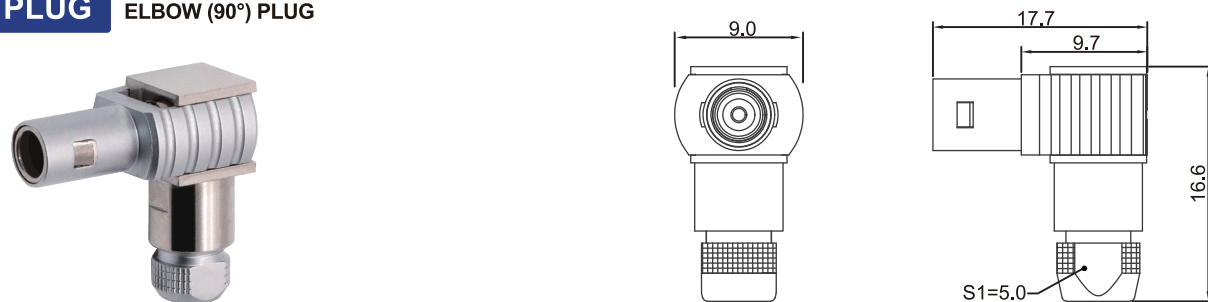
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET



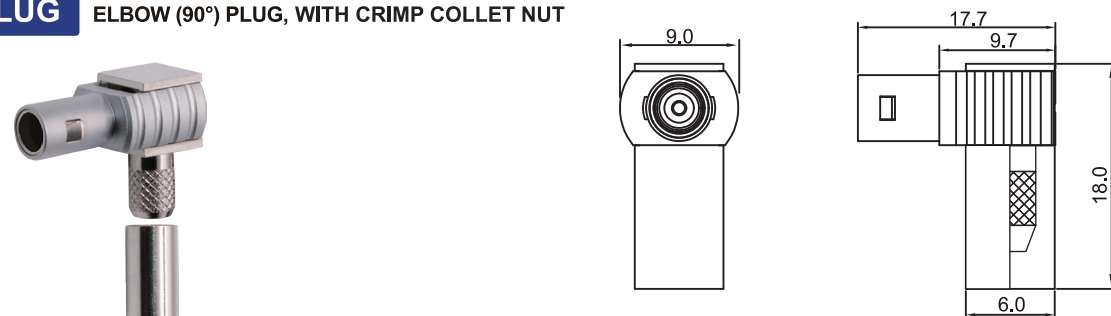
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



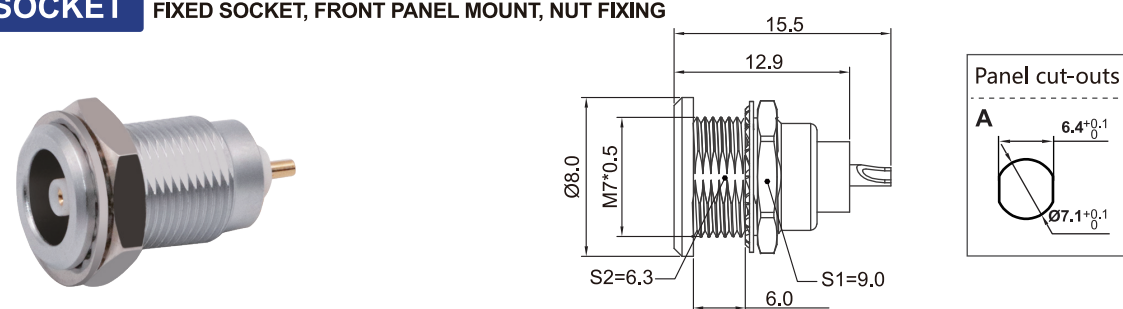
T3 PLUG ELBOW (90°) PLUG



T3 PLUG ELBOW (90°) PLUG, WITH CRIMP COLLET NUT



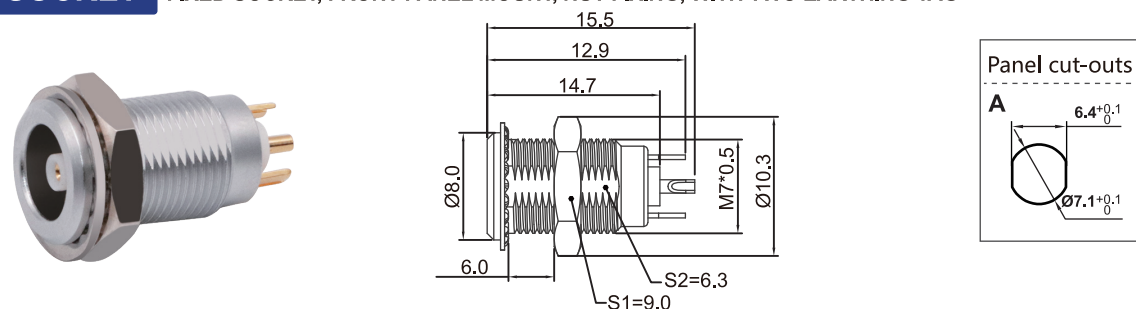
Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING



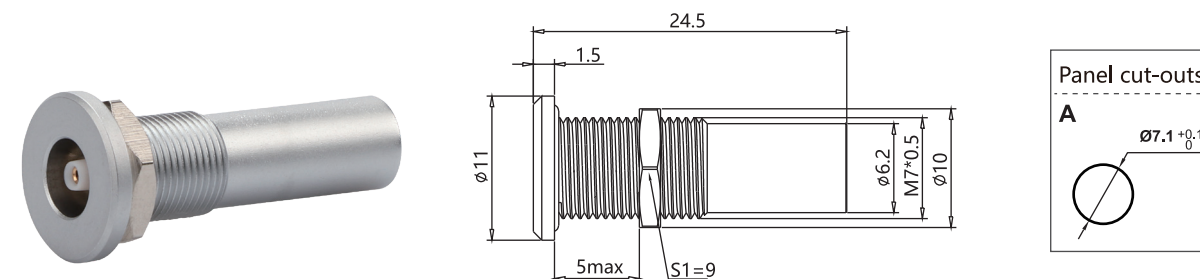
Z4 SOCKET FREE SOCKET, FOR CABLE CONNECTING, CABLE MOUNT, AND NUT FOR FITTING A BEND RELIEF



Z5 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING, WITH TWO EARTHING TAG

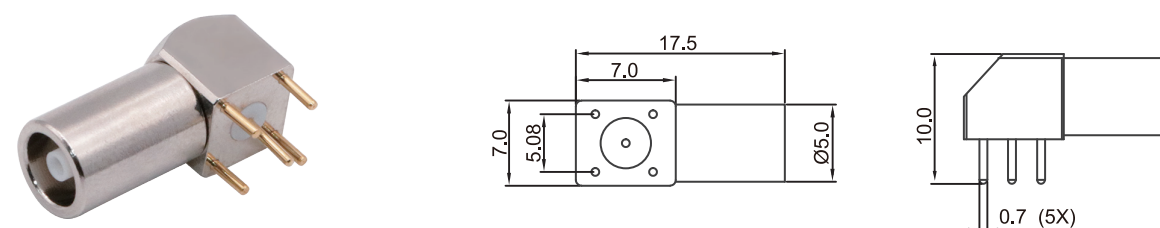


Z19 SOCKET FIXED COUPLER, NUT FIXING

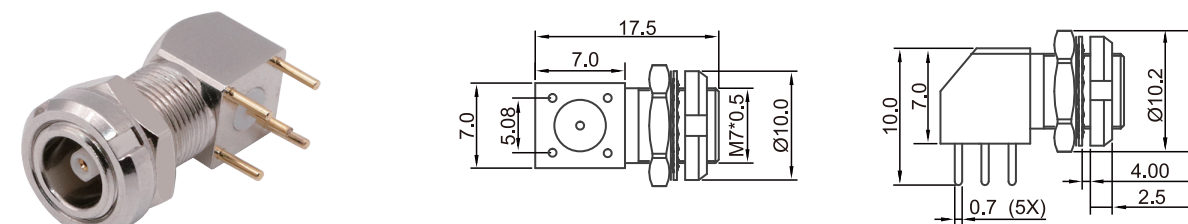


ELBOW SOCKET MODELS

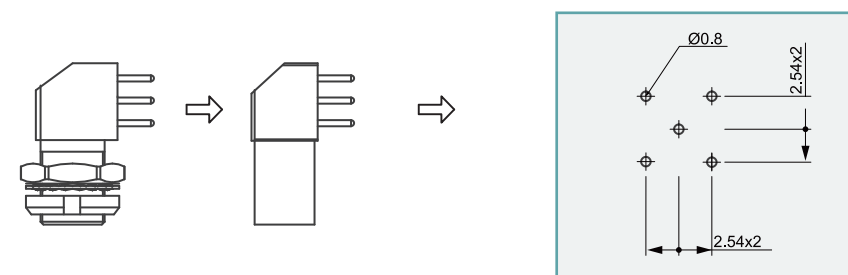
Z11 SOCKET ELBOW (90°) SOCKET FOR PRINTED CIRCUIT, GROUND SOLDER FIXED, DIMENSIONS FOR SOLDER SIDE AND CONTACT SIDE AS BELOW



Z12 SOCKET ELBOW (90°) SOCKET FOR PRINTED CIRCUIT, WITH TWO NUTS, DIMENSIONS FOR SOLDER SIDE AND CONTACT SIDE AS BELOW



PCB DRILLING PATTERN

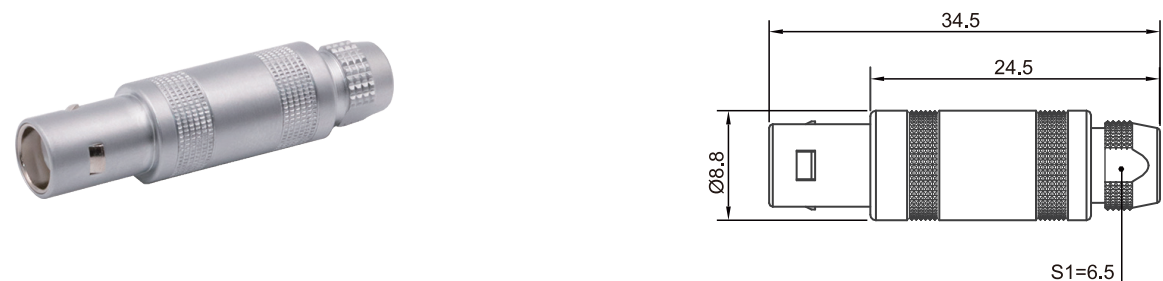


0S series

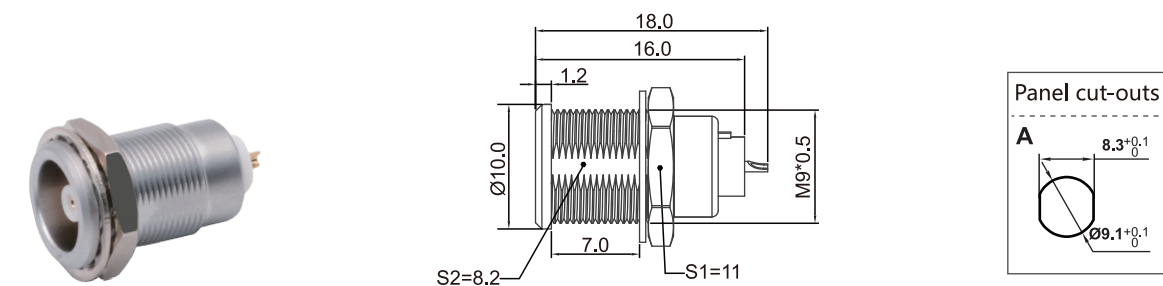
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET

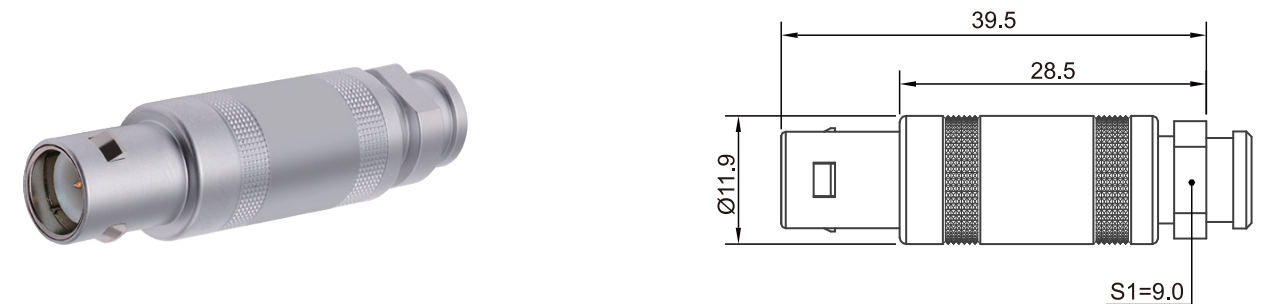


Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING

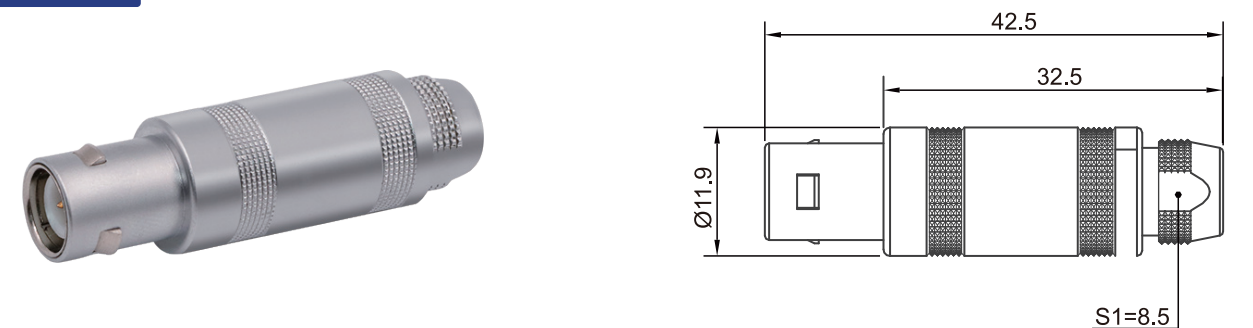


1S series

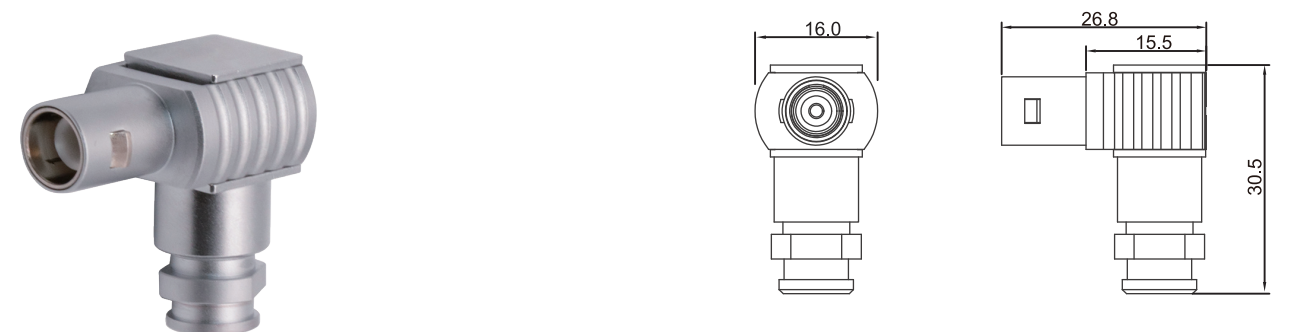
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



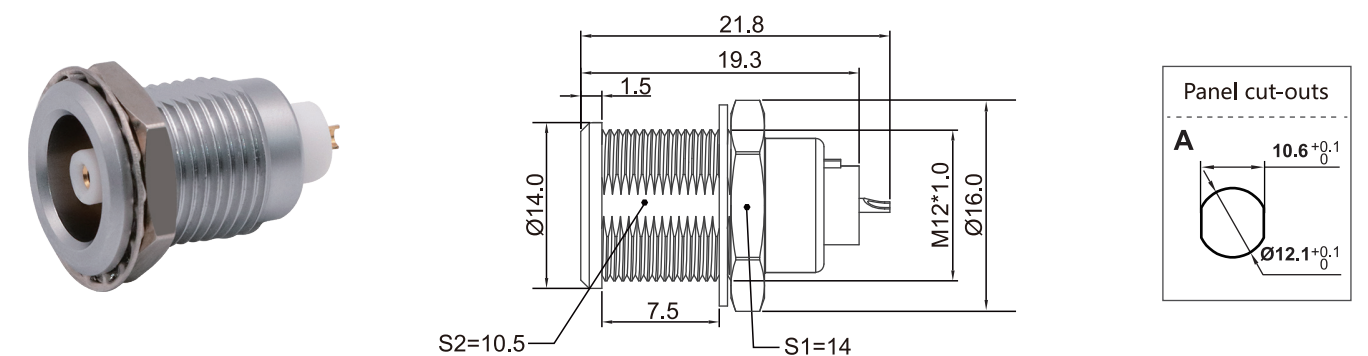
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET



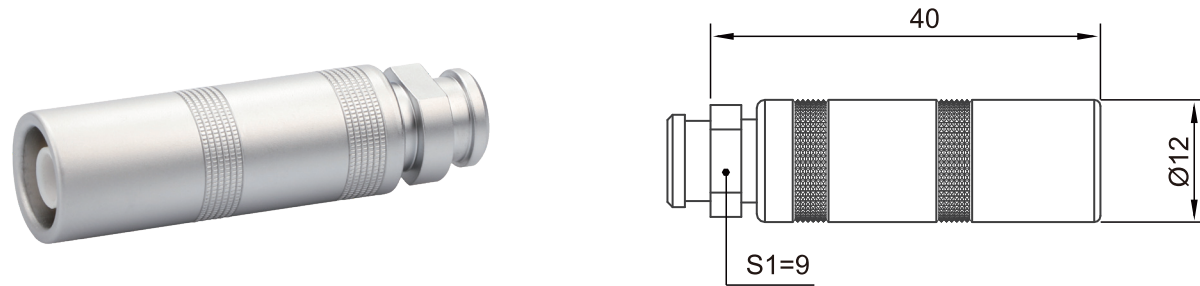
T3 PLUG ELBOW (90°) PLUG, WITH CABLE COLLET



Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING



Z4 SOCKET FREE SOCKET, FOR CABLE CONNECTING , NUT FOR FITTING A BEND RELIEF

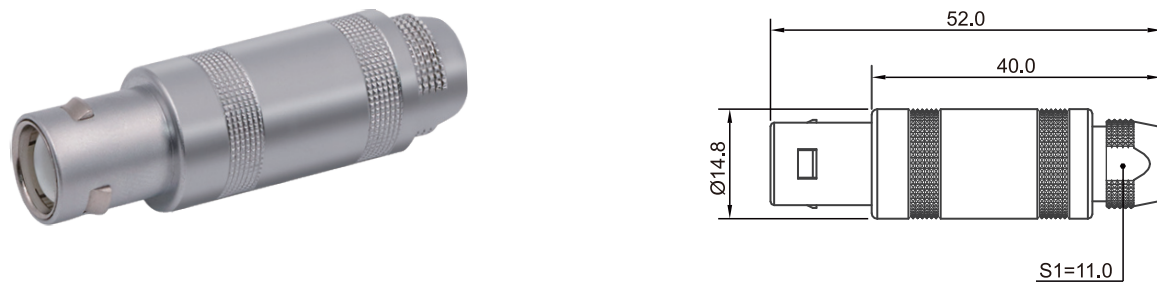


2S series

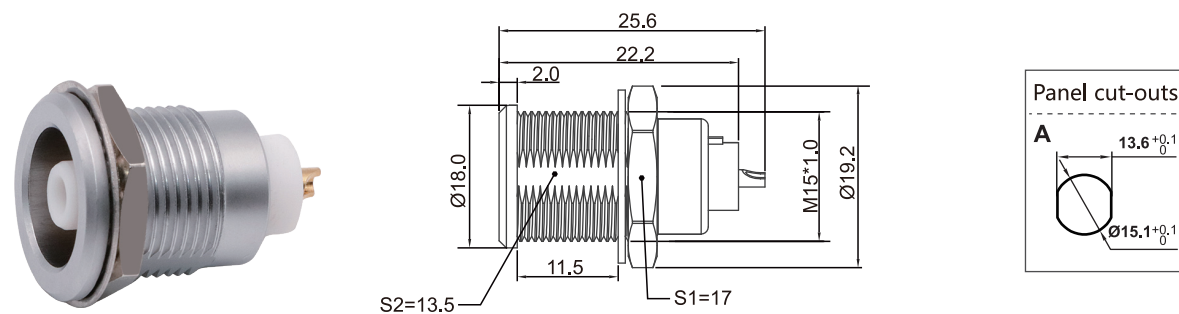
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET

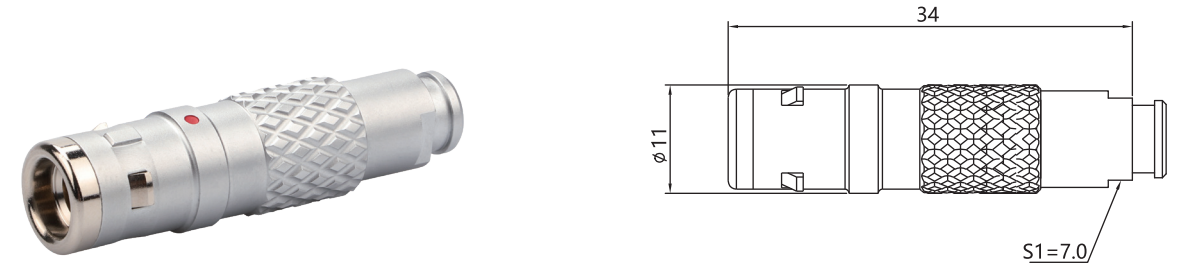


Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING

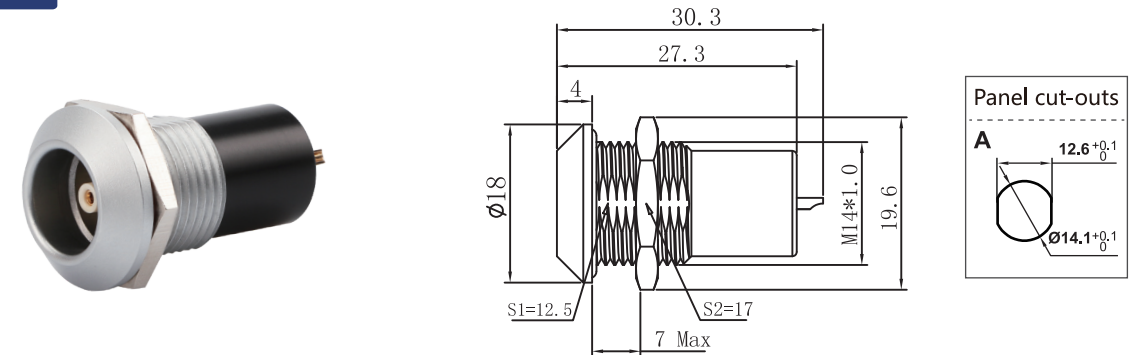


0E series

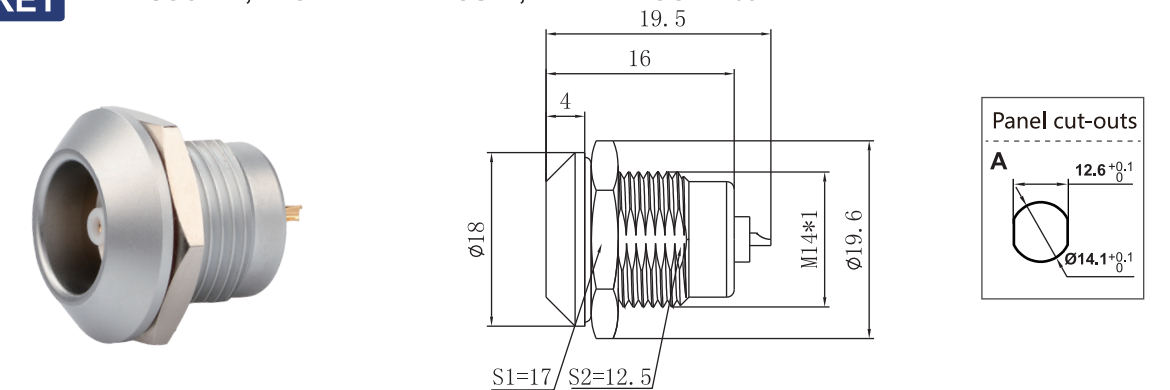
T1 PLUG STRAIGHT PLUG, CABLE COLLET, WATERPROOF IP68



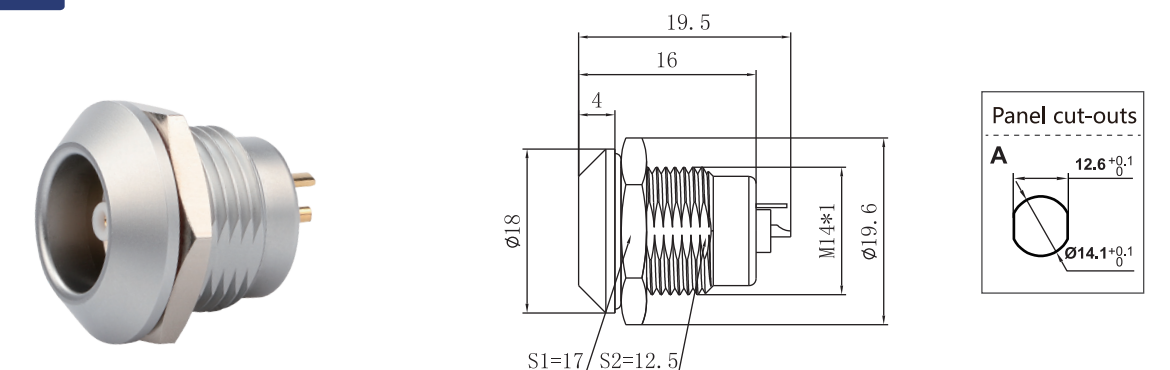
Z7 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, WATERPROOF IP68



Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, WATERPROOF IP68

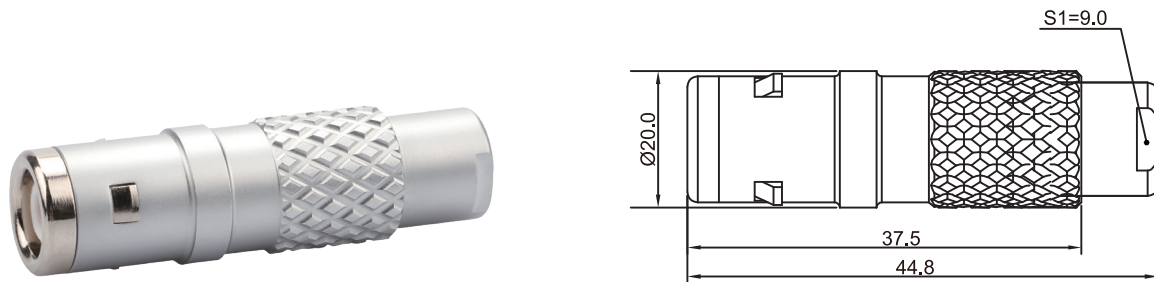


Z5 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, WATERPROOF IP68, WITH EARTHING TAG

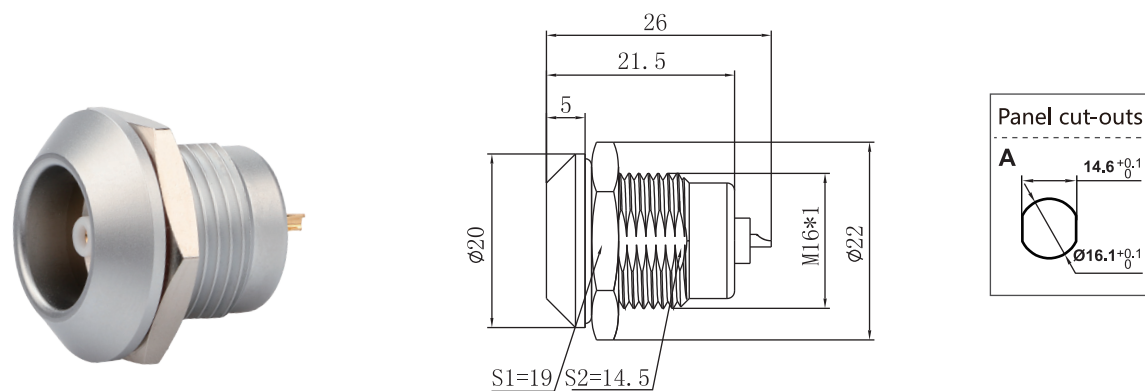


1E series

T1 PLUG STRAIGHT PLUG, CABLE COLLET, WATERPROOF IP68



Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, WATERPROOF IP68



INSERT CONFIGURATION

Series	Code	Solder contacts		Contact ø(mm)	Impedance (Ω)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
00S	250			0.7	50	4	2100	700
0S 0E	250			0.9	50	6	3000	1000
1S 1E	250			1.6	50	12	3000	1000
	275			1.3	75	10	2400	800
2S	250			2.0	50	15	3000	1000

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3